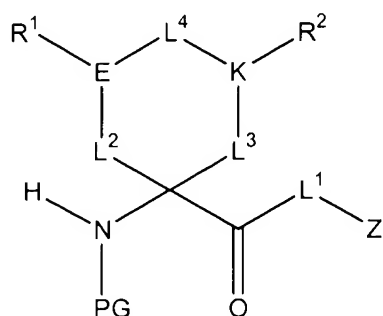


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application.

Listing of Claims:

1. (Amended) The A compound of the following formula

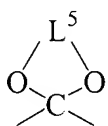


wherein

Z comprises the residue of a solid polymer support having hydroxyl or amino functionality;

L¹ comprises a divalent group of the formula -O-, -NH-, -O-CH₂-C₆H₄-CH₂O-;

L² and L³ comprise, independently, alkylene, alkenylene, alkynylene, or a direct single bond;

L₄ comprises alkylene, -O-, -S-, -C(O)-, -S(O)-, -S(O)₂-, , or a direct single or double bond;

L⁵ comprises -CH₂CH₂- or -CH₂CH₂CH₂-;

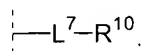
E and K comprise, independently, -N-, -CH-, or -C=;

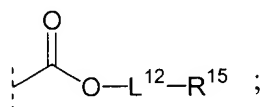
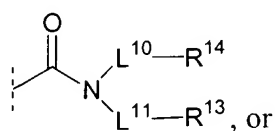
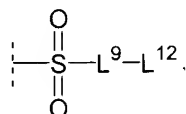
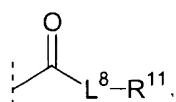
PG comprises hydrogen or an amino protecting group;

R¹ and R² comprise, independently, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl, hydrogen, halo, -O-G³, -O-G⁴, -G³, -G⁴, or -N(G³)G⁴;

R¹ and R² may be taken together to constitute a cycloalkyl or heterocyclyl ring, or, where L⁴ is a direct bond, R¹ and R² may be taken together to constitute a fused aryl or heteroaryl ring;

G³ and G⁴ comprise, independently,





where

$\text{L}^7, \text{L}^8, \text{L}^9, \text{L}^{10}, \text{L}^{11}, \text{L}^{12}$ comprise, independently, alkylene, alkenylene, alkynylene, cycloalkylene, cycloalkenylene, arylene, heterocyclylene, heteroarylene, fused cycloalkylarylene, fused cycloalkylheteroarylene, fused heterocyclylarylene, fused heterocyclylheteroarylene, or a direct bond; and

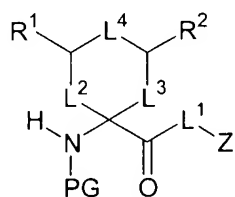
$\text{R}^{10}, \text{R}^{11}, \text{R}^{12}, \text{R}^{13}, \text{R}^{14}, \text{R}^{15}$ comprise, independently, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, heteroaryl, aryl, fused cycloalkylaryl, fused cycloalkylheteroaryl, fused heterocyclylaryl, fused heterocyclylheteroaryl, $-\text{NR}^{18}\text{R}^{19}$, $-\text{OR}^{18}$, $-\text{SR}^{18}$, or hydrogen, where R^{18} and R^{19} are as defined below;

R^{18} and R^{19} comprise, independently, hydrogen, alkyl, alkynyl, alkenyl, cycloalkyl, cycloalkenyl, aryl, heterocyclyl, or heteroaryl.

2. (Original) The compound of claim 1, wherein the groups $\text{L}^2, \text{L}^3, \text{L}^4, \text{E}$, and K comprise a ring with 3 to 8 members.

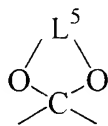
3. (Original) The compound of claim 2, wherein PG is selected from the group consisting of t-butoxycarbonyl, 9-fluorenylmethoxycarbonyl, and benzyloxycarbonyl.

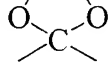
4. (Original) The compound of claim 2, wherein E and K are $-\text{CH}-$, represented by the formula



and wherein,

L^2 and L^3 comprise, independently, $-\text{CH}_2-$, $-\text{CH}_2\text{CH}_2-$, or a direct single bond;



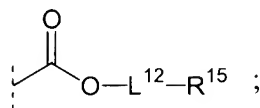
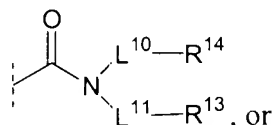
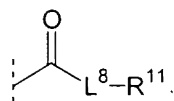
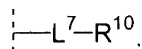
L^4 comprises $-\text{CH}_2-$, $-\text{C}(\text{O})-$, , or a direct single bond;

L^5 comprises $-\text{CH}_2\text{CH}_2-$ or $-\text{CH}_2\text{CH}_2\text{CH}_2-$;

R^1 and R^2 comprises, independently, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl, hydrogen, halo, $-\text{O}-\text{G}^3$, $-\text{O}-\text{G}^4$, $-\text{G}^3$, $-\text{G}^4$, or $-\text{N}(\text{G}^3)\text{G}^4$;

R^1 and R^2 may be taken together to constitute a cycloalkyl or heterocyclyl ring;

G^3 and G^4 comprise, independently,



where

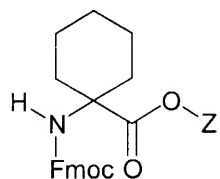
L^7 , L^8 , L^{10} , L^{11} , L^{12} comprise, independently, alkylene, alkenylene, alkynylene, cycloalkylene, cycloalkenylene, arylene, heterocyclylene, heteroarylene, fused cycloalkylarylene, fused cycloalkylheteroarylene, fused heterocyclylarylene, fused heterocyclylheteroarylene, or a direct bond; and

R^{10} , R^{11} , R^{13} , R^{14} , R^{15} comprise, independently, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, heteroaryl, aryl, fused cycloalkylaryl, fused cycloalkylheteroaryl, fused

heterocyclylaryl, fused heterocyclylheteroaryl, $-NR^{18}R^{19}$, $-OR^{18}$, $-SR^{18}$, or hydrogen, where R^{18} and R^{19} are as defined below;

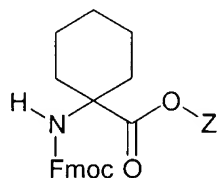
R^{18} and R^{19} comprise, independently, hydrogen, alkyl, alkynyl, alkenyl, cycloalkyl, cycloalkenyl, aryl, heterocyclyl, or heteroaryl.

5. (Original) The compound of claim 4 of the formula



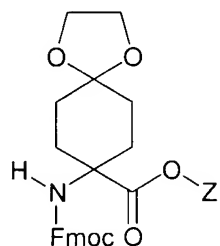
wherein Z comprises the Wang resin.

6. (Original) The compound of claim 4 of the formula



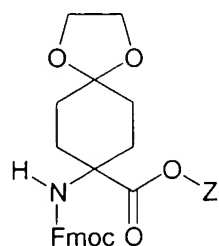
wherein Z comprises the Merrifield resin.

7. (Original) The compound of claim 4 of the formula



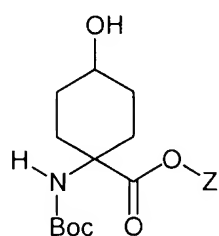
wherein Z comprises the Wang resin.

8. (Original) The compound of claim 4 of the formula



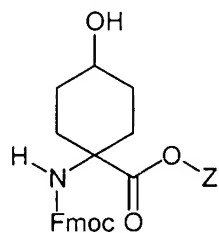
wherein Z comprises the Merrifield resin.

9. (Original) The compound of claim 4 of the formula



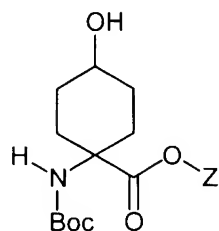
wherein Z comprises the Wang resin.

10. (Original) The compound of claim 4 of the formula



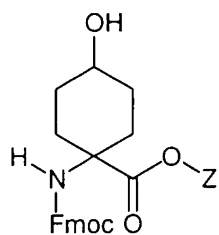
wherein Z comprises the Wang resin.

11. (Original) The compound of claim 4 of the formula



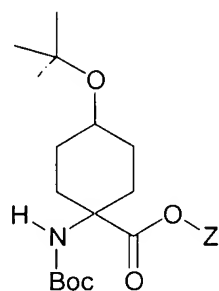
wherein Z comprises the Merrifield resin.

12. (Original) The compound of claim 4 of the formula



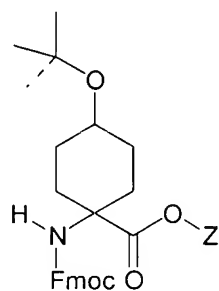
wherein Z comprises the Merrifield resin.

13. (Original) The compound of claim 4 of the formula



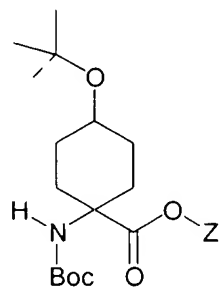
wherein Z comprises the Wang resin.

14. (Original) The compound of claim 4 of the formula



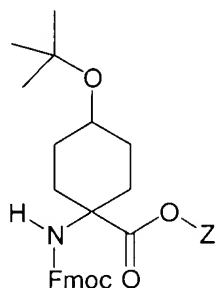
wherein Z comprises the Wang resin.

15. (Original) The compound of claim 4 of the formula



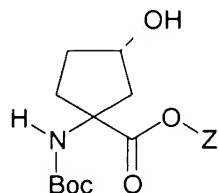
wherein Z comprises the Merrifield resin.

16. (Original) The compound of claim 4 of the formula



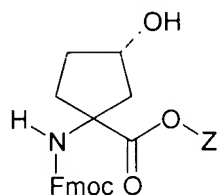
wherein Z comprises the Merrifield resin.

17. (Original) The compound of claim 4 of the formula



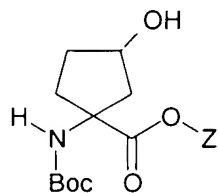
wherein Z comprises the Wang resin.

18. (Original) The compound of claim 4 of the formula



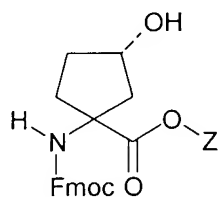
wherein Z comprises the Wang resin.

19. (Original) The compound of claim 4 of the formula



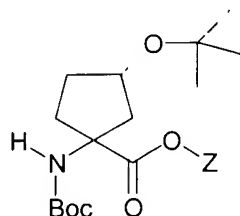
wherein Z comprises the Merrifield resin.

20. (Original) The compound of claim 4 of the formula



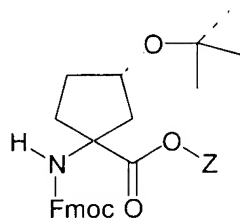
wherein Z comprises the Merrifield resin.

21. (Original) The compound of claim 4 of the formula



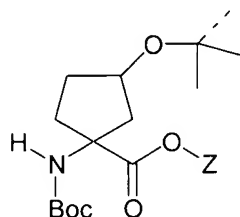
wherein Z comprises the Wang resin.

22. (Original) The compound of claim 4 of the formula



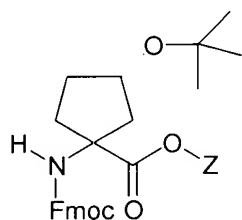
wherein Z comprises the Wang resin.

23. (Original) The compound of claim 4 of the formula



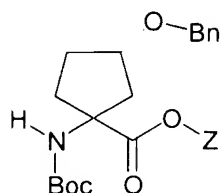
wherein Z comprises the Merrifield resin.

24. (Original) The compound of claim 4 of the formula



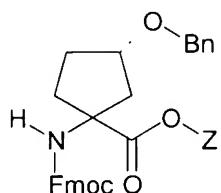
wherein Z comprises the Merrifield resin.

25. (Original) The compound of claim 4 of the formula



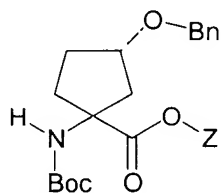
wherein Z comprises the Wang resin.

26. (Original) The compound of claim 4 of the formula



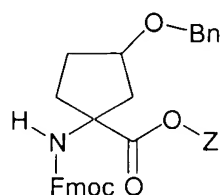
wherein Z comprises the Wang resin.

27. (Original) The compound of claim 4 of the formula



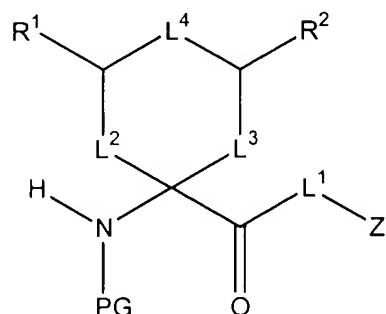
wherein Z comprises the Merrifield resin.

28. (Original) The compound of claim 4 of the formula



wherein Z comprises the Merrifield resin.

29. (Original) The compound of claim 2, wherein E and K are $-\text{CH}-$, represented by the formula



and wherein,

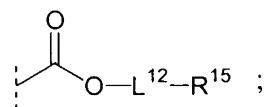
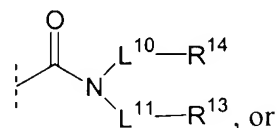
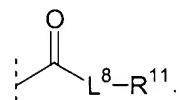
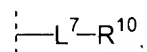
L^2 and L^3 comprise, independently, $-\text{CH}_2-$, $-\text{CH}_2\text{CH}_2-$, or a direct single bond;

L^4 comprises $-\text{O}-$, $-\text{S}-$, $-\text{S}(\text{O})-$, or $-\text{S}(\text{O})_2-$;

R^1 and R^2 comprise, independently, alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl, hydrogen, halo, $-\text{O}-\text{G}^3$, $-\text{O}-\text{G}^4$, $-\text{G}^3$, $-\text{G}^4$, or $-\text{N}(\text{G}^3)\text{G}^4$;

R^1 and R^2 may be taken together to constitute a heterocyclyl ring;

G^3 and G^4 comprise, independently,



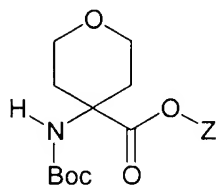
where

$L^7, L^8, L^{10}, L^{11}, L^{12}$ comprise, independently, alkylene, alkenylene, alkynylene, cycloalkylene, cycloalkenylene, arylene, heterocyclylene, heteroarylene, fused cycloalkylarylene, fused cycloalkylheteroarylene, fused heterocyclylarylene, fused heterocyclylheteroarylene, or a direct bond; and

$R^{10}, R^{11}, R^{13}, R^{14}, R^{15}$ comprise, independently, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, heteroaryl, aryl, fused cycloalkylaryl, fused cycloalkylheteroaryl, fused heterocyclylaryl, fused heterocyclylheteroaryl, $-NR^{18}R^{19}$, $-OR^{18}$, $-SR^{18}$, or hydrogen, where R^{18} and R^{19} are as defined below;

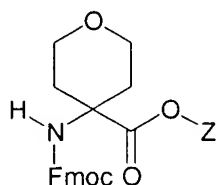
R^{18} and R^{19} comprise, independently, hydrogen, alkyl, alkynyl, alkenyl, cycloalkyl, cycloalkenyl, aryl, heterocyclyl, or heteroaryl.

30. (Original) The compound of claim 29 of the formula



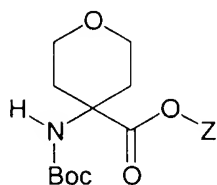
wherein Z comprises the Wang resin.

31. (Original) The compound of claim 29 of the formula



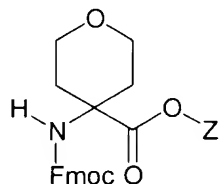
wherein Z comprises the Wang resin.

32. (Original) The compound of claim 29 of the formula



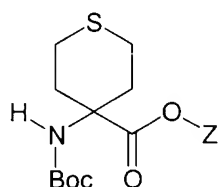
wherein Z comprises the Merrifield resin.

33. (Original) The compound of claim 29 of the formula



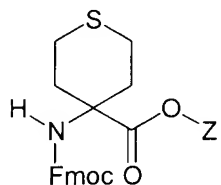
wherein Z comprises the Merrifield resin.

34. (Original) The compound of claim 29 of the formula



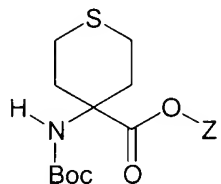
wherein Z comprises the Wang resin.

35. (Original) The compound of claim 29 of the formula



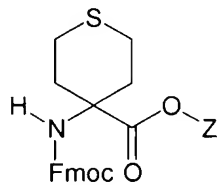
wherein Z comprises the Wang resin.

36. (Original) The compound of claim 29 of the formula



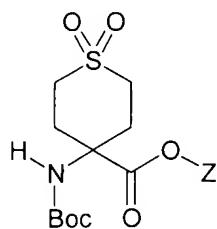
wherein Z comprises the Merrifield resin.

37. (Original) The compound of claim 29 of the formula



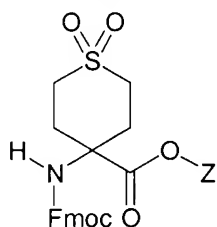
wherein Z comprises the Merrifield resin.

38. (Original) The compound of claim 29 of the formula



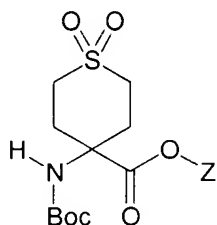
wherein Z comprises the Wang resin.

39. (Original) The compound of claim 29 of the formula



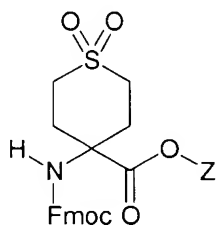
wherein Z comprises the Wang resin.

40. (Original) The compound of claim 29 of the formula



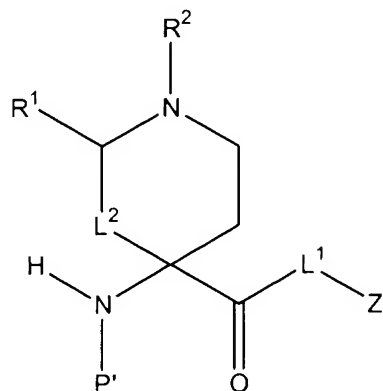
wherein Z comprises the Merrifield resin.

41. (Original) The compound of claim 29 of the formula



wherein Z comprises the Merrifield resin.

42. (Original) The compound of claim 2, wherein E comprises $-\text{CH}-$, K comprises $-\text{N}-$, L^3 comprises $-\text{CH}_2\text{CH}_2-$, L^4 comprises a direct single bond, represented by the formula



and wherein,

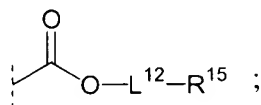
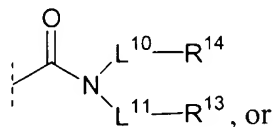
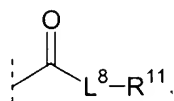
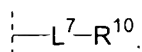
L^2 comprises $-\text{CH}_2-$, $-\text{CH}_2\text{CH}_2-$, or a direct single bond;

R^1 comprises alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl, hydrogen, halo, $-\text{O}-\text{G}^3$, $-\text{G}^3$, or $-\text{N}(\text{G}^3)\text{G}^4$;

R^2 comprises alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl, hydrogen, or $-\text{G}^5$;

R^1 and R^2 may be taken together to constitute a heterocyclyl ring;

G^3 and G^4 comprise, independently,



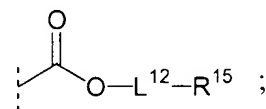
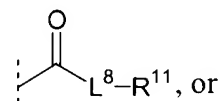
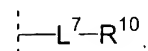
where

L^7 , L^8 , L^{10} , L^{11} , L^{12} comprise, independently, alkylene, alkenylene, alkynylene, cycloalkylene, cycloalkenylene, arylene, heterocyclylene, heteroarylene, fused cycloalkylarylene, fused cycloalkylheteroarylene, fused heterocyclylarylene, fused heterocyclylheteroarylene, or a direct bond; and

R^{10} , R^{11} , R^{13} , R^{14} , R^{15} comprise, independently, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, heteroaryl, aryl, fused cycloalkylaryl, fused cycloalkylheteroaryl, fused heterocyclaryl, fused heterocyclheteroaryl, $-NR^{18}R^{19}$, $-OR^{18}$, $-SR^{18}$, or hydrogen, where R^{18} and R^{19} are as defined below;

R^{18} and R^{19} comprise, independently, hydrogen, alkyl, alkynyl, alkenyl, cycloalkyl, cycloalkenyl, aryl, heterocyclyl, or heteroaryl;

G^5 comprises



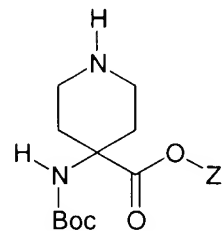
where

L^7 , L^8 , L^{12} comprise, independently, alkylene, alkenylene, alkynylene, cycloalkylene, cycloalkenylene, arylene, heterocyclylene, heteroarylene, fused cycloalkylarylene, fused cycloalkylheteroarylene, fused heterocyclarylene, fused heterocyclheteroarylene, or a direct bond; and

R^{10} , R^{11} , R^{15} comprise, independently, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, heteroaryl, aryl, fused cycloalkylaryl, fused cycloalkylheteroaryl, fused heterocyclaryl, fused heterocyclheteroaryl, $-NR^{18}R^{19}$, $-OR^{18}$, $-SR^{18}$, or hydrogen, where R^{18} and R^{19} are as defined below;

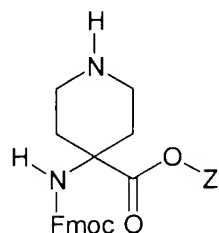
R^{18} and R^{19} comprise, independently, hydrogen, alkyl, alkynyl, alkenyl, cycloalkyl, cycloalkenyl, aryl, heterocyclyl, or heteroaryl.

43. (Original) The compound of claim 42 of the formula



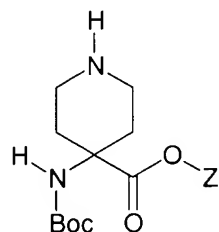
wherein Z comprises the Wang resin.

44. (Original) The compound of claim 42 of the formula



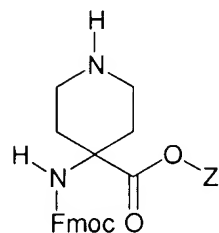
wherein Z comprises the Wang resin.

45. (Original) The compound of claim 42 of the formula



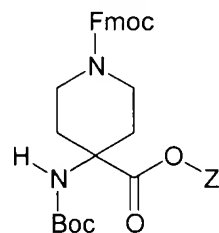
wherein Z comprises the Merrifield resin.

46. (Original) The compound of claim 42 of the formula



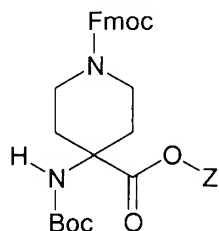
wherein Z comprises the Merrifield resin.

47. (Original) The compound of claim 42 of the formula



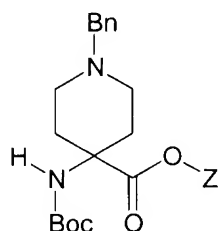
wherein Z comprises the Wang resin.

48. (Original) The compound of claim 42 of the formula



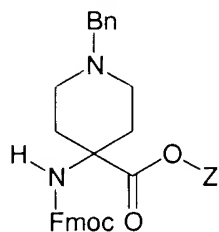
wherein Z comprises the Merrifield resin.

49. (Original) The compound of claim 42 of the formula



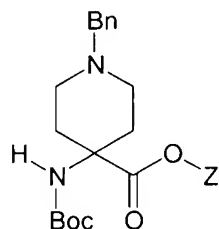
wherein Z comprises the Wang resin.

50. (Original) The compound of claim 42 of the formula



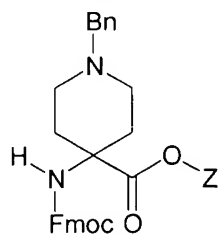
wherein Z comprises the Wang resin.

51. (Original) The compound of claim 42 of the formula



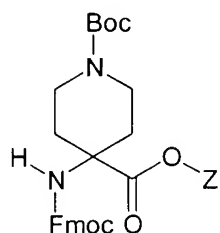
wherein Z comprises the Merrifield resin.

52. (Original) The compound of claim 42 of the formula



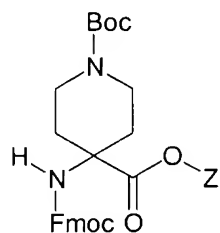
wherein Z comprises the Merrifield resin.

53. (Original) The compound of claim 42 of the formula



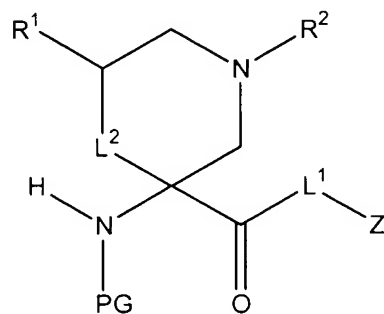
wherein Z comprises the Wang resin.

54. (Original) The compound of claim 42 of the formula



wherein Z comprises the Merrifield resin.

55. (Original) The compound of claim 2, wherein E comprises $-\text{CH}-$, K comprises $-\text{N}-$, L^3 comprises $-\text{CH}_2-$, L^4 comprises $-\text{CH}_2-$, represented by the formula



and wherein,

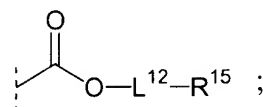
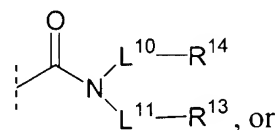
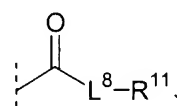
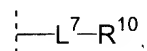
L^2 comprises $-CH_2-$, $-CH_2CH_2-$, or a direct single bond;

R^1 comprises alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl, hydrogen, halo, $-O-G_3$, $-G_3$, or $-N(G_3)G_4$;

R^2 comprises alkyl, alkenyl, alkynyl, cycloalkyl, heterocyclyl, aryl, heteroaryl, hydrogen, or $-G^5$;

R^1 and R^2 may be taken together to constitute a heterocyclyl ring;

G^3 and G^4 comprise, independently,



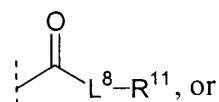
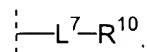
where

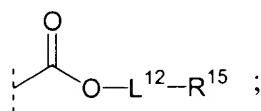
L^7 , L^8 , L^{10} , L^{11} , L^{12} comprise, independently, alkylene, alkenylene, alkynylene, cycloalkylene, cycloalkenylene, arylene, heterocyclylene, heteroarylene, fused cycloalkylarylene, fused cycloalkylheteroarylene, fused heterocyclylarylene, fused heterocyclylheteroarylene, or a direct bond; and

R^{10} , R^{11} , R^{13} , R^{14} , R^{15} comprise, independently, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocyclyl, heteroaryl, aryl, fused cycloalkylaryl, fused cycloalkylheteroaryl, fused heterocyclylaryl, fused heterocyclylheteroaryl, $-NR^{18}R^{19}$, $-OR^{18}$, $-SR^{18}$, or hydrogen, where R^{18} and R^{19} are as defined below;

R^{18} and R^{19} comprise, independently, hydrogen, alkyl, alkynyl, alkenyl, cycloalkyl, cycloalkenyl, aryl, heterocyclyl, or heteroaryl.

G^5 comprises





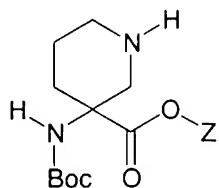
where

L^7 , L^8 , L^{12} are, independently, alkylene, alkenylene, alkynylene, cycloalkylene, cycloalkenylene, arylene, heterocyclylene, heteroarylene, fused cycloalkylarylene, fused cycloalkylheteroarylene, fused heterocyclarylene, fused heterocyclheteroarylene, or a direct bond; and

R^{10} , R^{11} , R^{15} are, independently, alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, heterocycl, heteroaryl, aryl, fused cycloalkylaryl, fused cycloalkylheteroaryl, fused heterocyclaryl, fused heterocyclheteroaryl, $\text{-NR}^{18}\text{R}^{19}$, -OR^{18} , -SR^{18} , or hydrogen, where R^{18} and R^{19} are as defined below;

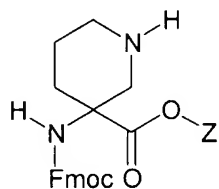
R^{18} and R^{19} are, independently, hydrogen, alkyl, alkynyl, alkenyl, cycloalkyl, cycloalkenyl, aryl, heterocycl, or heteroaryl.

56. (Original) The compound of claim 55 of the formula



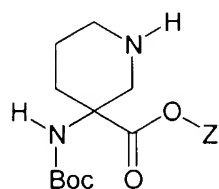
wherein Z comprises the Wang resin.

57. (Original) The compound of claim 55 of the formula



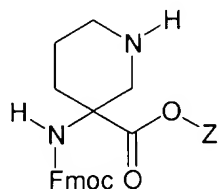
wherein Z comprises the Wang resin.

58. (Original) The compound of claim 55 of the formula



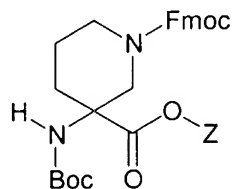
wherein Z comprises the Merrifield resin.

59. (Original) The compound of claim 55 of the formula



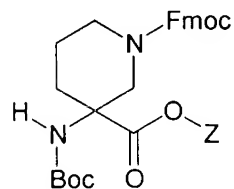
wherein Z comprises the Merrifield resin.

60. (Original) The compound of claim 55 of the formula



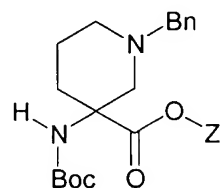
wherein Z comprises the Wang resin.

61. (Original) The compound of claim 55 of the formula



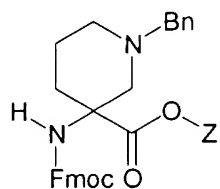
wherein Z comprises the Merrifield resin.

62. (Original) The compound of claim 55 of the formula



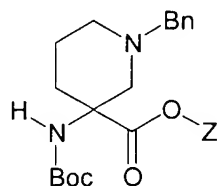
wherein Z comprises the Wang resin.

63. (Original) The compound of claim 55 of the formula



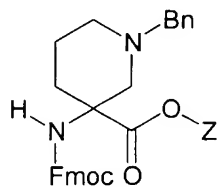
wherein Z comprises the Wang resin.

64. (Original) The compound of claim 55 of the formula



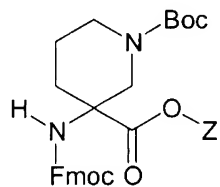
wherein Z comprises the Merrifield resin.

65. (Original) The compound of claim 55 of the formula



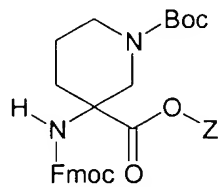
wherein Z comprises the Merrifield resin.

66. (Original) The compound of claim 55 of the formula



wherein Z comprises the Wang resin.

67. (Original) The compound of claim 55 of the formula



wherein Z comprises the Merrifield resin.